

Claims

1. Use of a plastic composition comprising an effective amount of an inorganic derivative containing silver, including silver salts and silver containing complexes for preparation of moulded products respectively lacquered or painted products to provide them with a surface having antivirus activity even against SARS coronavirus.
2. Use of a plastic-composition according to claim 1 wherein the plastic is a thermosetting resin.
3. Use of a plastic composition according to claim 2, wherein the thermosetting resin is an amino-resin such as urea-formaldehyde resin, melamine-formaldehyde resin, melamine-urea-formaldehyde resin or a polyester.
4. Use of a plastic composition according to claim 2 or 3 characterized that it is present as a solid moulding compound preferably in the form of powder, tablets, pellets or granules.
5. Use of a plastic composition according to claim 2 or 3 characterized in that it is present as a dry constituent in a powder coating.
6. Use of a plastic composition according to any one of claims 1-5 wherein the composition contains free formaldehyde or a formaldehyde containing compound which can release formaldehyde.
7. Use of a plastic composition according to any one of claims 1-4 which comprises at least one filler such as cellulose, glass fiber, carbon fiber, mica, lime and wood flour.
8. Use of plastic composition according to claim 2 or 3 wherein the thermosetting resin is present in liquid form, usually as a lacquer or paint, such as maleimide lacquer,

melamine-formaldehyde resin, urea-formaldehyde resin or melamine-formaldehyde resin.

9. Use of a plastic composition according to any one of claims 1-8 wherein the inorganic derivative containing silver is selected from the group consisting of silver sulfate, silver nitrate, silver chloride, silver-sodium-hydrogen-zirconium phosphate and silver sulfadiazine.
10. Use of a plastic composition according to claim 1 wherein the plastic is a thermoplastic, preferably selected from polyethylene, polypropylene, polystyrene, polyvinyl chloride or a linear polyester or a polyacrylate.
11. Use according to claim 10, wherein the thermoplastic is present as a foil or sheet.
12. Use of a plastic composition according to claim 10, characterized in that it is present as a so-called masterbatch in the form of pellets, granules or tablets.
13. Use of a plastic composition according to claim 10, wherein the thermoplastic is a polyacrylate or a linear polyester in liquid form as a lacquer or paint.
14. Use of a plastic composition according to any one of claims 1-11 and 13 wherein the content of inorganic silver derivative is present in an amount of 0.00001 to 0.10 parts by weight preferably 0.00003 to 0.001 parts by weight or rather 0.00005 to 0.0008 parts by weight calculated per part by weight of the whole composition.
15. Use of a plastic composition according to claim 12, wherein the masterbatch has a content of inorganic silver derivative of 0.02 to 0.30 parts by weight per part by weight of the whole masterbatch, which masterbatch might have a high content of pigment also and intended to be mixed with the major part of the thermoplastic before any moulding.

16. Use according to any one of claims 1-15, wherein the moulded products comprise sanitary articles, kitchenware, tableware, ornamental articles, electrotechnology components, thermosetting laminates and the like.
17. A moulded respectively lacquered or painted product having a surface with antiviral activity even against SARS coronavirus obtained according to any one of claims 1-16.